

AMENDMENTS TO THE CLAIMS:

Please amend Claims 46 and 52, and add Claims 54 through 62 as follows:

1 - 43. (Cancelled)

44. (Previously Presented) A process for the preparation of a recording medium comprising applying on a base material or adding into a slurry containing a fibrous material in a paper making process, a dispersion of an alumina hydrate having an average pore radius of 20 to 200 Å and a half breadth of pore radius distribution of 20 to 150 Å.

45. (Previously Presented) A process for the preparation of a recording medium comprising applying on a base material or adding into a slurry containing a fibrous material in a paper making process, a dispersion of an alumina hydrate having peaks located at smaller than 100 Å and within a range of from 100 to 200 Å in pore radius distribution.

46. (Currently Amended) A process for the preparation of a recording medium comprising applying on a base material or adding into a slurry containing a fibrous material in a paper making process, a dispersion of an alumina hydrate, wherein the alumina hydrate contains 0.01 to 1.00 % by weight of titanium dioxide within the alumina hydrate particles.

47. (Previously Presented) The process according to any one of claims 44, 45 or 46, wherein the alumina hydrate contains 0.1 to 1.0 % by weight of nitrate anion.

48. (Previously Presented) The process according to either of claims 45 or 46, wherein the alumina hydrate has an average pore radius of 20 to 200 Å and a half breadth of pore radius distribution of 20 to 150 Å.

49. (Previously Presented) The process according to either of claims 44 or 46, wherein the alumina hydrate has peaks located at smaller than 100 Å and within a range of from 100 to 200 Å in pore radius distribution.

50. (Previously Presented) The process according to any one of claims 44, 45 or 46, wherein the dispersion is applied on a base material at a rate within a range of from 0.5 to 60 g/m² in a dried state.

51. (Previously Presented) The process according to any one of claims 44, 45 or 46, wherein the dispersion is applied on a base material at a rate within a range of from 5 to 45 g/m² in a dried state.

52. (Currently Amended) A process for the preparation of a recording medium comprising applying on a base material or adding into a slurry containing a fibrous material in a paper making process, a dispersion of an alumina hydrate, wherein the alumina hydrate contains 0.01 to 1.00% by weight of an oxide of a metal within the alumina hydrate particles.

53. (Previously Presented) The process according to claim 52, wherein the metal is selected from the group consisting of magnesium, calcium, strontium, barium, zinc, boron, silicon, germanium, tin, lead, zirconium, indium, phosphorus, vanadium, niobium, tantalum, chromium, molybdenum, tungsten, manganese, iron, cobalt, nickel and ruthenium.

54. (New) The process according to claim 44, wherein the dispersion is obtained by once drying an alumina hydrate sol into powder and then dispersing the powder in a medium.

55. (New) The process according to claim 45, wherein the dispersion is obtained by once drying an alumina hydrate sol into powder and then dispersing the powder in a medium.

56. (New) The process according to claim 46, wherein the dispersion is obtained by once drying an alumina hydrate sol into powder and then dispersing the powder in a medium.

57. (New) The process according to claim 44, wherein the dispersion is applied on a base material which is a resin-coated paper or a thermoplastic film.

58. (New) The process according to claim 45, wherein the dispersion is applied on a base material which is a resin-coated paper or a thermoplastic film.

59. (New) The process according to claim 46, wherein the dispersion is applied on a base material which is a resin-coated paper or a thermoplastic film.

60. (New) The process according to claim 44, wherein the dispersion is applied on a base material and wherein the dispersion contains the alumina hydrate and a binder at a mixing ratio of 1:1 to 30:1.

61. (New) The process according to claim 45, wherein the dispersion is applied on a base material and wherein the dispersion contains the alumina hydrate and a binder at a mixing ratio of 1:1 to 30:1.

62. (New) The process according to claim 46, wherein the dispersion is applied on a base material and wherein the dispersion contains the alumina hydrate and a binder at a mixing ratio of 1:1 to 30:1.